

Title (en)

NOVEL PEPPERS WITH UNIQUE AROMA AND TASTE

Title (de)

NEUARTIGE PAPRIKA MIT EINZIGARTIGEM AROMA UND GESCHMACK

Title (fr)

NOUVEAUX PIMENTS AYANT UN ARÔME ET UN GOÛT UNIQUES

Publication

EP 3383169 A4 20190522 (EN)

Application

EP 16871662 A 20161202

Priority

- US 201562261951 P 20151202
- US 2016064807 W 20161202

Abstract (en)

[origin: WO2017096294A1] This disclosure concerns the improvement of flavor in peppers by addition of aromas from other or the same pepper species. The disclosure describes novel Capsicum germplasm with aromatic components from Capsicum chinense and other horticultural traits from Capsicum annuum. The disclosure also describes a method for improving the flavor of a pepper through metabolomic-assisted selection to produce a pepper fruit with desirable aromas. The disclosure further provides multiple quantitative trait loci (QTLs), associated markers, and their use for genetic breeding of pepper plants with desired sweetness and flavor.

IPC 8 full level

A01H 1/04 (2006.01); **A01H 3/00** (2006.01); **A01H 5/08** (2018.01)

CPC (source: EP US)

A01H 1/045 (2021.01 - EP US); **A01H 5/08** (2013.01 - EP US); **A01H 6/822** (2018.04 - EP US); **C12Q 1/6895** (2013.01 - EP US); **C12Q 2600/13** (2013.01 - EP US); **C12Q 2600/156** (2013.01 - EP US)

Citation (search report)

- [ID] US 2012151616 A1 20120614 - MCCARTHY WILLIAM [US], et al
- [X] STANISLAU BOGUSZ JUNIOR ET AL: "Analysis of the volatile compounds of Brazilian chilli peppers (Capsicum spp.) at two stages of maturity by solid phase micro-extraction and gas chromatography-mass spectrometry", FOOD RESEARCH INTERNATIONAL, vol. 48, no. 1, 1 August 2012 (2012-08-01), AMSTERDAM, NL, pages 98 - 107, XP055572154, ISSN: 0963-9969, DOI: 10.1016/j.foodres.2012.02.005
- [A] H. KOLLMANNSSBERGER ET AL: "Comparative analysis of volatile compounds involved in the flavour of Capsicum annuum fruits", PROGRESS IN RESEARCH ON CAPSICUM AND EGGPLANT. PROCEEDINGS OF THE XIIIITH EUCARPIA MEETING, WARSAW, POLAND, 5-7 SEPTEMBER 2007, 1 January 2007 (2007-01-01), Warsaw, pages 195 - 203, XP055572838, ISBN: 978-83-724-4862-0
- See references of WO 2017096294A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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